

**PATENT**

Docket No.: FRAV2003/0002 US NP

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: **Patek, Marcel et al.**

Examiner: Not yet assigned

Application No.: **10/770,382**

Art Unit: 1614

Filed: **February 2, 2004**

Title: **Novel Cyclic Urea Derivatives, Preparation  
Thereof and Pharmaceutical Use Thereof As  
Kinase Inhibitors**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

**4-19-05**

Date of Deposit

Signature

*Marcel Mendz*

**CORRECTION OF INVENTORSHIP IN A PATENT**  
**APPLICATION UNDER 37 C.F.R. §1.48(a)**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is an amendment to correct an error in the nonjoinder of inventors in the above patent application. Enclosed please find the required documents for support:


- (1) A request, pursuant to 37 CFR §1.48 (a)(1), to correct the inventorship that sets forth the desired inventorship change.
- (2) A statement, pursuant to 37 C.F.R. §1.48(a)(2), from Didier Benard who is being added as an inventor;
- (3) A declaration by the actual inventors; pursuant to 37 C.F.R. §1.48(a)(3)
- (4) Pursuant to 37 C.F.R. §1.48(a)(4), the processing fee set forth in 37 C.F.R. §1.17(i)
- (5) The written consent of the assignee, Aventis Pharma S.A., pursuant to 37 CFR §1.48(a)(5);
- (6) A statement under 37 CFR §3.73(b), establishing the right of assignee to take action, further including the statement that establishes the right of the assignee to take action regarding the instant patent application; and
- (7) An assignment, concurrently submitted herewith for recordal, signed by Didier Benard

04/25/2005 BABRAHA1 00000008 181982 10770382

01 FC:1464 130.00 DA

The Commissioner is hereby authorized to charge the fee required and any additional fees that may be needed to Deposit Account No. **18-1982** for Aventis Pharmaceuticals Inc., Bridgewater, NJ. Please credit an overpayment to Deposit Account No. **18-1982**. A copy of the Fee Transmittal letter is enclosed for accounting purposes.

Respectfully submitted,

  
Joseph Strupczewski, Reg. No. 50,903  
Agent/Attorney for Applicant

Aventis Pharmaceuticals Inc.  
Patent Department  
Route #202-206 / P.O. Box 6800  
Bridgewater, New Jersey 08807-0800  
Telephone: 908-231-2387  
Telefax: 908-231-2626

**Docket No. FRAV2003/0002 US NP**



# PATENT

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Mark Mendz  
Signature

### STATEMENT OF NON-DECEPTIVE INTENT BY PERSON BEING ADDED BY AMENDMENT TO CORRECT INVENTORSHIP IN PATENT APPLICATION UNDER 37 C.F.R. §1.48(a)(2))

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I, Didier Bénard who is being added as an inventor by amendment being submitted to correct the inventorship of this patent application do hereby declare that the inventorship error in failing to include my name as an inventor on this patent application occurred without any deceptive intention on my part.

Dated: February 16, 2005

Aventis Pharma S.A.  
20 Avenue Raymond Aron  
Antony, Cedex  
France 92165

Respectfully submitted,

Didier BENARD

Didier Bénard

Aventis Pharmaceuticals Inc.  
Patent Department  
Route #202-206 / P.O. Box 6800  
Telephone: 908-231-2387  
Telefax: 908-231-2626



UNITED STATES OF AMERICA

**DECLARATION  
FOR PATENT APPLICATION**

As a below named inventor(s), I/We hereby declare that:

My/Our residence(s), post office address(es) and citizenship(s) are as stated below my name(s).  
I/We verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is claimed  
and for which a patent is sought on the invention entitled:

**NOVEL CYCLIC UREA DERIVATIVES, PREPARATION THEREOF AND PHARMACEUTICAL  
USE THEREOF AS KINASE INHIBITORS**

and the specification of which ☐ is attached hereto (Aventis Docket No. **FRAV2003/0002 US NP**)  
(check one) ☒ was filed on **February 2, 2004** as U.S. Application Number **10/770,382**  
and was amended on \_\_\_\_\_ (if applicable).  
☐ was described and claimed in PCT Int'l Application Number \_\_\_\_\_ filed on \_\_\_\_\_  
and as amended under PCT Article 19 on \_\_\_\_\_ (if any).

I/We hereby state that I/We have reviewed and understand the contents of the above identified specification,  
including the claims as amended by any amendment referred to above.  
I/We acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me/us to  
be material to patentability as defined in 37 C.F.R. 1.56.

☒ I/We hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or 365 (b) of any foreign  
application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at  
least one other country other than the United States of America, listed below and having a filing date before that of  
the application on which priority is claimed. I/We have also identified below any foreign application for patent or  
inventor's certificate having a filing date before that of the application on which priority is claimed:

Foreign Priority: 03 01098 FRANCE 31 January 2003  
Number Country Day/Month/Year Filed

Prior Foreign Appln(s): \_\_\_\_\_  
Number Country Day/Month/Year Filed

☒ I/We hereby claim the benefit under Title 35, United States Code §119(e) of any United States Provisional  
application(s) listed below:

60/468,685 May 7, 2003  
Number Filing Date

☐ I/We hereby claim the benefit under Title 35, United States Code §120 or 365(c) of any United States  
application(s) or international application designating the United States listed below and, insofar as the subject  
matter of each of the claims of this application is not disclosed in the prior United States application in the manner  
provided by the first paragraph of Title 35, United States Code §112, I/We acknowledge the duty to disclose  
information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which  
became available between the filing date of the prior application and the national or PCT international filing date of  
this application.

Application Serial No. Filing Date Status (Patented, Pending)

I/We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information  
and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements  
and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States code §1001, and that such  
willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventors(s): ☒ Additional names and signatures are attached.

1. Full name: Marcel PATEK

Signature:

Date: 10/20/2004

Country of Citizenship: United States

Residence: Tucson, AZ  
(City and State/City and Country only)

P. O. Address: 6965 N. Leonardo da Vinci Way  
Tucson, AZ 85704

2. Full name: Anil NAIR

Signature:

Date: 10-20-2004

Country of Citizenship: India

Residence: Tucson, AZ  
(City and State/City and Country only)

P. O. Address: 12936 Salt Cedar Drive  
Tucson, AZ 85737

3. Full name: Augustin HITTINGER

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: Igny, FRANCE

(City and State/City and Country only)

P. O. Address: 11 rue Gallieni

91430 Igny, FRANCE

4. Full name: Conception NEMECEK

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: Thiais, FRANCE

(City and State/City and Country only)

P. O. Address: 65 rue Maurepas

94320 Thiais, FRANCE

5. Full name: Daniel BOND

Signature: 

Date: 10/21/04

Country of Citizenship: United States

Residence: Tucson, AZ

(City and State/City and Country only)

P. O. Address: 5113 West Bluejay

Tucson, AZ 85742

6. Full name: Greg HARLOW

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: United States

Residence: Boulder, CO

(City and State/City and Country only)

P. O. Address: 862 Cypress Drive

Boulder, CO 80303

7. Full name: Herve BOUCHARD

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: Thiais, FRANCE

(City and State/City and Country only)

P. O. Address: 7 allée de la Prevote

94320 Thiais, FRANCE

8. Full name: Jacques MAUGER

Signature: 

Date: 10-26-04

Country of Citizenship: France

Residence: Tucson, AZ

(City and State/City and Country only)

P. O. Address: 7674 North Andover Street

Tucson, AZ 85704

9. Full name: Jean-Luc MALLERON

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: Marcoussis, FRANCE

(City and State/City and Country only)

P. O. Address: 2 allée Renoir

91460 Marcoussis, FRANCE

10. Full name: Mark PALERMO

Signature: 

Date: 11/3/04

Country of Citizenship: United States

Residence: Rindge, NH

(City and State/City and Country only)

P. O. Address: 45 Taggart Circle

Rindge, NH 03461

11. Full name: **Fahad AL-OBEIDI**

Signature: *Fahad al-Obeidi*

Date: 10-26-2004

Country of Citizenship: ~~IRAQ~~ U.S.A.

Residence: Tucson, AZ  
(City and State/City and Country only)

P. O. Address: 6798 N. Corte Calabaza  
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12. Full name: **Thomas FAITG**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: Exton, PA  
(City and State/City and Country only)

P. O. Address: 206 Falkirk Place  
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13. Full name: **Hartmut STROBEL**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: Germany

Residence: Liederbach, GERMANY  
(City and State/City and Country only)

P. O. Address: Erlenweg 22  
65835 Liederbach, GERMANY

14. Full name: **Sven RUF**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: Germany

Residence: Floersheim, GERMANY  
(City and State/City and Country only)

P. O. Address: Parkstrasse 9  
65439 Floersheim, GERMANY

15. Full name: **Kurt RITTER**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: Germany

Residence: Frankfurt Am Main, GERMANY  
(City and State/City and Country only)

P. O. Address: Gutzkowstrasse 2  
60594 Frankfurt Am Main, GERMANY

16. Full name: **Youssef EL-AHMAD**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: Creteil, FRANCE  
(City and State/City and Country only)

P. O. Address: 11 avenue de Verdun  
94000 Creteil, FRANCE

17. Full name: **Dominique LESUISSE**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: BELGIUM

Residence: Montreuil, FRANCE  
(City and State/City and Country only)

P. O. Address: 11 rue des Federes  
93100 Montreuil, FRANCE

18. Full name: **Didier BÉNARD**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: FRANCE

Residence: Attainville, FRANCE  
(City and State/City and Country only)

P. O. Address: 4, Allée du Parc  
95570 Attainville, FRANCE

Customer No.: 005487  
Aventis Pharmaceuticals Inc.  
Patent Department  
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P.O. Box 6800  
Mail Code D-303A  
Bridgewater, NJ 08807-0800  
Telephone (908) 231-5674  
Telefax (908) 231-2626  
Aventis Docket No. FRAV2003/0002 US NP

**DECLARATION  
FOR PATENT APPLICATION**

As a below named inventor(s), I/We hereby declare that:

My/Our residence(s), post office address(es) and citizenship(s) are as stated below my name(s).  
I/We verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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and the specification of which ☐ is attached hereto (Aventis Docket No. **FRAV2003/0002 US NP**)  
(check one) ☒ was filed on **February 2, 2004** as U.S. Application Number **10/770,382**  
and was amended on \_\_\_\_\_ (if applicable).  
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I/We hereby state that I/We have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above.  
I/We acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 C.F.R. 1.56.

☒ I/We hereby claim foreign priority benefits under Title 35, United States Code §119(a)-(d) or 365 (b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one other country other than the United States of America, listed below and having a filing date before that of the application on which priority is claimed. I/We have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Foreign Priority:	<u>03 01098</u> Number	<u>FRANCE</u> Country	<u>31 January 2003</u> Day/Month/Year Filed
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Prior Foreign Appln(s):	Number _____	Country _____	Day/Month/Year Filed _____
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☒ I/We hereby claim the benefit under Title 35, United States Code §119(e) of any United States Provisional application(s) listed below:

<u>60/468,685</u> Number	<u>May 7, 2003</u> Filing Date
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Application Serial No. _____	Filing Date _____	Status (Patented, Pending) _____
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Date: \_\_\_\_\_

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Residence: Thiais, FRANCE  
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94320 Thiais, FRANCE

5. Full name: Daniel BOND

Signature: Daniel S Bond

Date: 10/21/04

Country of Citizenship: United States

Residence: Tucson, AZ  
(City and State/City and Country only)

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Tucson, AZ 85742

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Date: \_\_\_\_\_

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Residence: Marcoussis, FRANCE  
(City and State/City and Country only)

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91460 Marcoussis, FRANCE

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Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: United States

Residence: Rindge, NH  
(City and State/City and Country only)

P. O. Address: 45 Taggart Circle  
Rindge, NH 03461



11. Full name: **Fahad AL-OBEIDI**

Signature: *Fahad al-obeidi*

Date: 10-26-2004

Country of Citizenship: ~~IRAQ~~ U.S.A.

Residence: **Tucson, AZ**

(City and State/City and Country only)

P. O. Address: **6798 N. Corte Calabaza**

**Tucson, AZ 85704**

12. Full name: **Thomas FAITG**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: **France**

Residence: **Exton, PA**

(City and State/City and Country only)

P. O. Address: **206 Falkirk Place**

**Exton, PA 19341**

13. Full name: **Hartmut STROBEL**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: **Germany**

Residence: **Liederbach, GERMANY**

(City and State/City and Country only)

P. O. Address: **Erlenweg 22**

**65835 Liederbach, GERMANY**

14. Full name: **Sven RUF**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: **Germany**

Residence: **Floersheim, GERMANY**

(City and State/City and Country only)

P. O. Address: **Parkstrasse 9**

**65439 Floersheim, GERMANY**

15. Full name: **Kurt RITTER**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: **Germany**

Residence: **Frankfurt Am Main, GERMANY**

(City and State/City and Country only)

P. O. Address: **Gutzkowstrasse 2**

**60594 Frankfurt Am Main, GERMANY**

16. Full name: **Youssef EL-AHMAD**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: **France**

Residence: **Creteil, FRANCE**

(City and State/City and Country only)

P. O. Address: **11 avenue de Verdun**

**94000 Creteil, FRANCE**

17. Full name: **Dominique LESUISSE**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: **BELGIUM**

Residence: **Montreuil, FRANCE**

(City and State/City and Country only)

P. O. Address: **11 rue des Federes**

**93100 Montreuil, FRANCE**

18. Full name: **Didier BÉNARD**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: **FRANCE**

Residence: **Attainville, FRANCE**

(City and State/City and Country only)

P. O. Address: **4, Allée du Parc**

**95570 Attainville, FRANCE**

Customer No.: 005487

Aventis Pharmaceuticals Inc.

Patent Department

Route #202-206

P.O. Box 6800

Mail Code D-303A

Bridgewater, NJ 08807-0800

Telephone (908) 231-5674

Telefax (908) 231-2626

Aventis Docket No. FRAV2003/0002 US NP

**DECLARATION  
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As a below named inventor(s), I/We hereby declare that:

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and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States code §1001, and that such  
willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventors(s): ☒ Additional names and signatures are attached.1. Full name: **Marcel PATEK**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: **United States**Residence: **Tucson, AZ**  
(City and State/City and Country only)P. O. Address: **6965 N. Leonardo da Vinci Way**  
**Tucson, AZ 85704**2. Full name: **Anil NAIR**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: **India**Residence: **Tucson, AZ**  
(City and State/City and Country only)P. O. Address: **12936 Salt Cedar Drive**  
**Tucson, AZ 85737**

3. Full name: Augustin HITTINGER

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: igny, FRANCE  
(City and State/City and Country only)

P. O. Address: 11 rue Gallieni  
91430 Igny, FRANCE

4. Full name: Conception NEMECEK

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: Thiais, FRANCE  
(City and State/City and Country only)

P. O. Address: 65 rue Maurepas  
94320 Thiais, FRANCE

5. Full name: Daniel BOND

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: United States

Residence: Tucson, AZ  
(City and State/City and Country only)

P. O. Address: 5113 West Bluejay  
Tucson, AZ 85742

6. Full name: Greg HARLOW

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: United States

Residence: Boulder, CO  
(City and State/City and Country only)

P. O. Address: 862 Cypress Drive  
Boulder, CO 80303

7. Full name: Herve BOUCHARD

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: Thiais, FRANCE  
(City and State/City and Country only)

P. O. Address: 7 allée de la Prevote  
94320 Thiais, FRANCE

8. Full name: Jacques MAUGER

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: Tucson, AZ  
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P. O. Address: 7674 North Andover Street  
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9. Full name: Jean-Luc MALLERON

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: Marcoussis, FRANCE  
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P. O. Address: 2 allée Renoir  
91460 Marcoussis, FRANCE

10. Full name: Mark PALERMO

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: United States

Residence: Peapack, NJ  
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P. O. Address: 15 Orchard Street  
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11. Full name: Fahad AL-OBEIDI

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: IRAQ

Residence: Tucson, AZ  
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P. O. Address: 6798 N. Corte Calabaza  
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12. Full name: Thomas FAITG

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: Exton, PA  
(City and State/City and Country only)

P. O. Address: 206 Falkirk Place  
Exton, PA 19341

13. Full name: Hartmut STROBEL

Signature: Hartmut Strobel

Date: 26.10.04

Country of Citizenship: Germany

Residence: Liederbach, GERMANY  
(City and State/City and Country only)

P. O. Address: Erlenweg 22  
65835 Liederbach, GERMANY

14. Full name: Sven RUF

Signature: Sven Ruf

Date: 26.10.04

Country of Citizenship: Germany

Residence: Floersheim, GERMANY  
(City and State/City and Country only)

P. O. Address: Parkstrasse 9  
65439 Floersheim, GERMANY

15. Full name: Kurt RITTER

Signature: Kurt Ritter

Date: 26.10.04

Country of Citizenship: Germany

Residence: Frankfurt Am Main, GERMANY  
(City and State/City and Country only)

P. O. Address: Gutzkowstrasse 2  
60594 Frankfurt Am Main, GERMANY

16. Full name: Youssef EL-AHMAD

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: Creteil, FRANCE  
(City and State/City and Country only)

P. O. Address: 11 avenue de Verdun  
94000 Creteil, FRANCE

17. Full name: Dominique LESUISSE

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: BELGIUM

Residence: Montreuil, FRANCE  
(City and State/City and Country only)

P. O. Address: 11 rue des Federes  
93100 Montreuil, FRANCE

18. Full name: Didier BÉNARD

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: FRANCE

Residence: Attainville, FRANCE  
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Mail Code D-303A  
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Telephone (908) 231-5674  
Telefax (908) 231-2626  
Aventis Docket No. FRAV2003/0002 US NP



UNITED STATES OF AMERICA

**DECLARATION  
FOR PATENT APPLICATION**

As a below named inventor(s), I/We hereby declare that:

My/Our residence(s), post office address(es) and citizenship(s) are as stated below my name(s).  
I/We verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is claimed  
and for which a patent is sought on the invention entitled:

**NOVEL CYCLIC UREA DERIVATIVES, PREPARATION THEREOF AND PHARMACEUTICAL  
USE THEREOF AS KINASE INHIBITORS**

and the specification of which (check one) ☐ is attached hereto (Aventis Docket No. **FRAV2003/0002 US NP**)  
☒ was filed on **February 2, 2004** as U.S. Application Number **10/770,382**  
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Foreign Priority: **03 01098** **FRANCE** **31 January 2003**  
Number Country Day/Month/Year Filed

Prior Foreign Appln(s): \_\_\_\_\_  
Number Country Day/Month/Year Filed

☒ I/We hereby claim the benefit under Title 35, United States Code §119(e) of any United States Provisional  
application(s) listed below:

**60/468,685** **May 7, 2003**  
Number Filing Date

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Application Serial No. Filing Date Status (Patented, Pending)

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Inventors(s): ☒ Additional names and signatures are attached.

1. Full name: **Marcel PATEK**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: **United States**

Residence: **Tucson, AZ**  
(City and State/City and Country only)

P. O. Address: **6965 N. Leonardo da Vinci Way**  
**Tucson, AZ 85704**

2. Full name: **Anil NAIR**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: **India**

Residence: **Tucson, AZ**  
(City and State/City and Country only)

P. O. Address: **12936 Salt Cedar Drive**  
**Tucson, AZ 85737**

3. Full name: Augustin HITTINGER

Signature: Augustin Hittinger

Date: 25<sup>th</sup> October, 2004

Country of Citizenship: France

Residence: Ignny, FRANCE  
(City and State/City and Country only)

P. O. Address: 11 rue Gallieni  
91430 Igny, FRANCE

4. Full name: Conception NEMECEK

Signature: Conception Nemecek

Date: 25<sup>th</sup> October 2004

Country of Citizenship: France

Residence: Thiais, FRANCE  
(City and State/City and Country only)

P. O. Address: 65 rue Maurepas  
94320 Thiais, FRANCE

5. Full name: Daniel BOND

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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Residence: Tucson, AZ  
(City and State/City and Country only)

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6. Full name: Greg HARLOW

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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7. Full name: Herve BOUCHARD

Signature: Hervé Boucard

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9. Full name: Jean-Luc MALLERON

Signature: Jean-Luc Malleron

Date: 25 October 2004

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Signature: Youssef EL-Ahmad

Date: 25th October, 2004

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17. Full name: Dominique LESUISSE

Signature: Dominique Lesuisse

Date: 25th October 2004

Country of Citizenship: BELGIUM

Residence: Montreuil, FRANCE  
(City and State/City and Country only)

P. O. Address: 11 rue des Federes  
93100 Montreuil, FRANCE

18. Full name: Didier BÉNARD

Signature: D. Benard

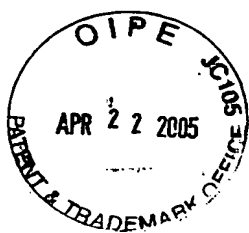
Date: 25th October 2004

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Aventis Docket No. FRAV2003/0002 US NP

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Foreign Priority:	<b>03 01098</b> Number	<b>FRANCE</b> Country	<b>31 January 2003</b> Day/Month/Year Filed
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Prior Foreign Appln(s):	Number	Country	Day/Month/Year Filed
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<b>60/468,685</b> Number	<b>May 7, 2003</b> Filing Date
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Application Serial No.	Filing Date	Status (Patented, Pending)
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willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventors(s): ☒ Additional names and signatures are attached.1. Full name: Marcel PATEK

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: United StatesResidence: Tucson, AZ  
(City and State/City and Country only)P. O. Address: 6965 N. Leonardo da Vinci Way  
Tucson, AZ 857042. Full name: Anil NAIR

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: IndiaResidence: Tucson, AZ  
(City and State/City and Country only)P. O. Address: 12936 Salt Cedar Drive  
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3. Full name: Augustin HITTINGER

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

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Residence: Ignny, FRANCE  
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Signature: \_\_\_\_\_

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Signature: 

Date: 11-11-04

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Date: \_\_\_\_\_

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18. Full name: Didier BÉNARD

Signature: \_\_\_\_\_

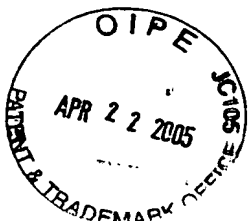
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Signature: \_\_\_\_\_

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P. O. Address: 7674 North Andover Street  
Tucson, AZ 85704

9. Full name: Jean-Luc MALLERON

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: Marcoussis, FRANCE  
(City and State/City and Country only)

P. O. Address: 2 allée Renoir  
91460 Marcoussis, FRANCE

10. Full name: Mark PALERMO

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: United States

Residence: Peapack, NJ  
(City and State/City and Country only)

P. O. Address: 15 Orchard Street  
Califon, NJ 07830

11. Full name: Fahad AL-OBEIDI

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: IRAQ

Residence: Tucson, AZ  
(City and State/City and Country only)

P. O. Address: 6798 N. Corte Calabaza  
Tucson, AZ 85704

12. Full name: Thomas FAITG

Signature: \_\_\_\_\_

Date: 11/12/04

Country of Citizenship: France

Residence: Exton, PA  
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P. O. Address: 206 Falkirk Place  
Exton, PA 19341

13. Full name: Hartmut STROBEL

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: Germany

Residence: Liederbach, GERMANY  
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P. O. Address: Erlenweg 22  
65835 Liederbach, GERMANY

14. Full name: Sven RUF

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: Germany

Residence: Floersheim, GERMANY  
(City and State/City and Country only)

P. O. Address: Parkstrasse 9  
65439 Floersheim, GERMANY

15. Full name: Kurt RITTER

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: Germany

Residence: Frankfurt Am Main, GERMANY  
(City and State/City and Country only)

P. O. Address: Gutzkowstrasse 2  
60594 Frankfurt Am Main, GERMANY

16. Full name: Youssef EL-AHMAD

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: France

Residence: Creteil, FRANCE  
(City and State/City and Country only)

P. O. Address: 11 avenue de Verdun  
94000 Creteil, FRANCE

17. Full name: Dominique LESUISSE

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Country of Citizenship: BELGIUM

Residence: Montreuil, FRANCE  
(City and State/City and Country only)

P. O. Address: 11 rue des Federes  
93100 Montreuil, FRANCE

18. Full name: Didier BÉNARD

Signature: \_\_\_\_\_

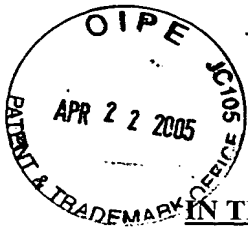
Date: \_\_\_\_\_

Country of Citizenship: FRANCE

Residence: Attainville, FRANCE  
(City and State/City and Country only)

P. O. Address: 4, Allée du Parc  
95570 Attainville, FRANCE

Customer No.: 005487  
Aventis Pharmaceuticals Inc.  
Patent Department  
Route #202-206  
P.O. Box 6800  
Mail Code D-303A  
Bridgewater, NJ 08807-0800  
Telephone (908) 231-5674  
Telefax (908) 231-2626  
Aventis Docket No. FRAV2003/0002 US NP



# PATENT

Docket No.: FRAV2003/0002 US NP

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Patek, Marcel et al.**

Examiner: Not yet assigned

Application No.: **10/770,382**

Art Unit: 1614

Filed: **February 2, 2004**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

Title: **Novel Cyclic Urea Derivatives,  
Preparation Thereof and  
Pharmaceutical Use Thereof As Kinase  
Inhibitors**

4-19-05  
Date of Deposit

Signature  
*Maribel Mendez*

### CONSENT OF ASSIGNEE TO CHANGE OF INVENTORSHIP IN A PATENT APPLICATION UNDER 37 C.F.R. §1.48(a)(5) AND ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION UNDER 37 C.F.R. §3.73

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

#### AVENTIS PHARMA S.A.

of 20 Avenue Raymond Aron, Antony, Cedex, France owner by assignment of the above patent application hereby consents to the amendment of the inventorship of this patent as requested in the accompanying papers.

Additionally, Aventis Pharma S.A. submits this paper as a statement pursuant to 37 C.F.R. §3.73(b), establishing the right of assignee, Aventis Pharma S.A., to take action in this case. The basis of the assignee's interest wherein ownership by the assignee is established as follows:

An assignment from the inventors, Marcel Patek, Anil Nair, Daniel Bond, Greg Harlow, Jacques Mauger, Mark Palermo, Fahad Al-Obeidi, Thomas Faitg, to Aventis Pharmaceuticals Inc., recorded in the PTO on July 1, 2004 at Reel/Frame 014804/0049. An assignment from Augustin Hittinger, Conception Nemecek, Herve Bouchard, Jean-Luc Malleron, Hartmut Strobel, Sven Ruf, Kurt Ritter, Youssef El-Ahmad and Dominique Lesuisse to Aventis Pharma S.A. recorded in the PTO on July 1, 2004 at Reel/Frame 014813/0620.

Docket No.: FRAV2003/0002 US NP

Page 1 of 2

An assignment from Aventis Pharmaceuticals Inc. to Aventis Pharma S.A. recorded in the PTO of the matter identified above, which was recorded in the PTO on August 10, 2004 at Reel/Frame 015058/0894.

(copies attached hereto)

Dated:

*Mardi 7. 2005*

Respectfully submitted

*M. F.*

Aventis Pharma S.A.  
20 Avenue Raymond Aron  
Antony, Cedex  
France 92165

**Dr M. Jacobi**  
Vice President  
**Département des Brevets**  
**Aventis Pharma S.A.**

Docket No. FRAV2003/0002<sub>2</sub>US NP

Attachments: Recordation of Assignment for U.S. Patent Application 10/770,382 and assignment for recordal by additional inventor.

ASSIGNMENT AND AGREEMENT

For value received and intending to be legally bound, I/we, the undersigned joint inventor(s) (Assignor(s)), sell, assign and transfer to **Aventis Pharma S.A.** (Assignee), 20, Avenue Raymond Aron, Antony, 92165 Cedex, France, and its successors, assigns and legal representatives, the entire right, title and interest in and to my/our invention and any improvements thereon for all countries of the world, relating in and to the application for United States Letters Patent therefor, assigned Attorney Docket No. **FRAV2003/0002 US PSP** and (if filed prior to the execution hereof) filed on **February 2, 2004**, as Serial No. **10/770,382**, entitled

**NOVEL CYCLIC UREA DERIVATIVES, PREPARATION THEREOF AND  
PHARMACEUTICAL USE THEREOF AS KINASE INHIBITORS**

and all the rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property, including the right to claim priority based on said United States application, and under any and all Letters Patent which may be granted therefor, and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country or patent organization, including continuations, divisions, renewals, revivals, and any substitute applications of said United States application, and any and all patents which may issue thereon, and any reissues, pipelines and extensions, and governmental exclusivity rights of the same.

I/we authorize and request competent authorities to grant and issue any and all patents on said invention to said assignee or its successor, assigns and legal representatives, or to such nominees as said assignee may designate.

I/we agree that, when requested, I/we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said invention in any and all countries and for vesting title thereto in said assignee, its successors, assigns, legal representatives or nominees.

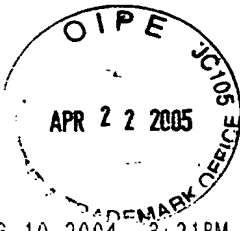
I/we covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have full right to convey the same as herein expressed.

Signed at Vitry, FRANCE on this 11<sup>th</sup> day of April, 2005.  
(City, State and Nation)

Signature: Didier BÉNARD  
Inventor's Name: **Didier BÉNARD**  
Residential Address: **4, Allée du Parc**  
**95570 Attainville, FRANCE**

(Add address)





AUG. 10. 2004 3:21PM  
TO: US USPTO

AVENTIS US PAT DEPT  
ASSIGNMENT

NO. 6254 P. 1

FORM PTO-1595  
1-31-92  
(modified)

RECORDATION FORM COVER SHEET  
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

I hereby certify that this correspondence is being transmitted via facsimile to the Commissioner for Patents, Alexandria, VA 22313-1450, Patent and Trademark Assignment System, at (703) 506-5995, on  
Date August 10, 2004  
Signature Renee McKeen

To the Commissioner of Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

AVENTIS PHARMACEUTICALS INC.

2. Name and address of receiving party(ies):

Name: AVENTIS PHARMA S.A.

Internal Address:

Street Address: 20 Avenue Raymond Aron, Anthony

City: Cedex Country: FRANCE ZIP: 92165

Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

3. Nature of Conveyance:

- ☒ Assignment  
☐ Security Agreement  
☐ Other

- ☐ Merger  
☐ Change of Name

Additional name(s) and address(es) attached? ☐ YES ☒ NO

Execution Date: June 28, 2004

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s): 10/770,382

B. Patent No.(s):

Additional numbers attached? ☐ YES ☒ NO

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Raymond S. Parker, III, Ph.D., Reg. No. 34,893

Internal Address: Aventis Pharmaceuticals Inc.

Street Address: Route 202-206 / P.O. Box 6800

City: Bridgewater State: NJ ZIP: 08807-0800

\*\* FAX NUMBER: (908) 231-2626 \*\*

Our Reference No.: FRAV2003/0002 US NP

6. Total number of applications and patents involved: 1

7. Total (37 CFR 3.41): \$40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number: 18-1982

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Raymond S. Parker, III, Ph.D., Reg. No. 34,893

Name of Person Signing

Date: August 10, 2004  
Signature: [Signature]  
Total number of pages comprising cover sheet: 3

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PATENT  
REEL: 015058 FRAME: 0894

CH \$40.00 181982 10770382

**ASSIGNMENT AND AGREEMENT**

For value received and intending to be legally bound, we, **AVENTIS PHARMACEUTICALS INC.**, of 300 Somerset Corporate Boulevard, Bridgewater, New Jersey 08807-2854, United States of America, (Assignor), sell, assign and transfer to. **AVENTIS PHARMA S.A.**, 20, Avenue Raymond Aron, Antony, 92165 Cedex, France, (Assignee), and its successors, assigns and legal representatives, the entire right, title and interest in and to the invention and any improvements thereon, assigned Attorney Docket Number FRAV2003/0002 US NP and (if filed prior to the execution hereof) filed on February 2, 2004, as Serial Number 10/770,382, entitled

**NOVEL CYCLIC UREA DERIVATIVES, PREPARATION THEREOF AND  
PHARMACEUTICAL USE THEREOF AS KINASE INHIBITORS**

and all the rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property, including the right to claim priority based on said priority applications, and under any and all Letters Patent which may be granted therefore, and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country or patent organization, including continuations, divisions, renewals, revivals, and any substitute applications of the above applications, and any and all patents which may issue thereon, and any reissues, pipelines and extensions, and governmental exclusivity rights of the same.

We authorize and request competent authorities to grant and issue any and all patents on said invention to said assignee or its successor, assigns and legal representatives, or to such nominees as said assignee may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said invention in any and all countries and for vesting title thereto in said assignee, its successors, assigns, legal representatives or nominees.

**PATENT**  
**REEL: 015058 FRAME: 0895**

2004 3:21PM

AVENTIS US PAT DEPT

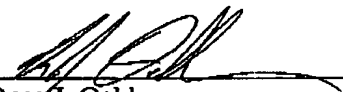
NO. 6254 P. 3

Aventis File No. FRAV2003/0002 US NP

We covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have full right to convey the same as herein expressed.

Signed at Bridgewater, NJ USA on this 28<sup>th</sup> day of JUNE, 200<sup>4</sup>.  
(City, State and Nation)

AVENTIS PHARMACEUTICALS INC.

By:   
Ross J. Oehler  
Vice President